2

On Therapeutics

Melbie

~~They~~ In the exhibition of Emetics the following rules should be Observed.

1 To give them in Divided doses, ~~as~~ lest they should operate too powerfully.

2 When we wish them to operate speedily and powerfully, no liquid should be taken after them. In this way they become what Dr Marriotte of Bristol calls dry vomits.

3 Emetics always act most certainly in the morning. The stomach is more predisposed to sickness & vomiting in many diseases at that time, than at any other.

4 To prevent Spasms in the stomach, a patient should ~~always~~ never sleep in a lying posture.

upon the subject of Emetics, I must add, that where they are safe, and indicated, we should much more do ~~do~~ service with them ~~than~~ by repeating them every Day, or two or three times a week, than by a single dose in the beginning of a Disease. Where an accidental puking from disease or from any thing offensive taken into the stomach, it generally continues from one to three or four days. ~~The~~ Erroneous practice often continue after the principles which introduced them have passed ~~are done~~ away. This is the case with Emetics. They were given formerly only to discharge morbid matters from the stomach, & hence a single

5 When an Emetic operates more than we wish, it may be checked, by a few drops of Laud: or a Spoonful of Salt dissolved in a few Ounces of water.

✓

Emetics are forbidden 1 In all cases of great Congestion in the head, and lungs.

2 In an inflamm^n of the stomach and bowels.

3 In the first stage of all highly inflamm^y fevers.

4 In the advanced stage of pregnancy, & in persons subject to, or afflicted with ruptures.

5 In ~~cases~~ all cases of low Chronic fevers, &c of general debility succeeding acute diseases.

Cold water acts in two ways. 1 by reducing ~~exc~~ the excitement of the capillaries ~~the by~~ when excessive, & 2 by exciting them by means of ~~reactions~~ their reacting so as to overcome the sedative effects of the water. The Indian mode hereafter. ~~I shall call them external powers.~~

V much has been said of the associated actions of the stomach & capillary vessels. It may be explained upon the principle of continued sympathy. For the Oesophagus stomach, bowels ~~and~~ ~~brain~~ and skin are all ~~in~~ enveloped in a membrane which renders them ~~easily~~ insusceptible by the same stimuli. ~~They~~ It constitutes the outward & inward surface of the body. ~~Impressions~~ When its excitement is divided, impressions on one part of it tend to equalize ~~its excitement~~ it. Are ~~to~~ the capillaries excited beyond the sweating point? ~~too highly excited~~? Impressions on the stomach abstract from that excitement, & thus open the ~~of~~ pores. Are they below the sweating point? Impressions on the stomach convey excitement to them, & thus open the pores. ~~The~~

# Of Diaphoretics

They are such remedies as increase the discharge through the pores by sweat or insensible perspiration. They consist

1 of such Remedies as act chiefly on the Skin. They are the pediluvium - ~~the warm bath~~ heat ~~warm~~ ~~bath~~ ~~salt~~ applied by means of Air - water - vapour - sand - & clay to the whole body, - Anote applied to the lungs by covering the head with a blanket - bottles and bricks applied to the feet - cold Air & cold water applied to the whole body, also cold & hot water applied in succession to each other - and lastly rest and exercise. I shall call them external sweats.

2 Such remedies as act upon the pores by means of an action excited in the stomach. These act by ~~vomiting. They are~~ inducing vomiting & nausea. But these are medicines which open the pores without sickening the stomach. These are Nitre & Ipecacuanha &c &c in small doses. I shall call them stomach sweats

3 Such medicines as determine the fluids from the internal parts of the body to the Skin, by acting chiefly upon the stomach & blood vessels. These are Vinegar

latter
~~last~~ is called ~~direct~~ the former inverse sympa=
=thy.

V the sweating point. They had this effect in an eminent degree in the yellow fever of the year 1793 - and hence Dr. Rush were often called not only a ~~fever~~ purging but a sweating powder. Purges check sweats, but it is ~~only~~ when the system is below the sweating point.

A moisture upon the skin is often more useful than sweats - Pringle says ~~they~~ it this is remarkably the case in the close of typhus or jail fever.

ardent spirits
Wine – The two snake roots – & Lonicerile &
Century – ~~the~~ Dovers powders, & Expectorium.
Stimulant Sweats
4 Fresh Remedies as act by the stimulus of
Distention – these are diluting Drinks of all
kinds. —— Diluting Sweats
5 Purges. These act by reducing the system to
This Class of Remedies is indicated
1 in ~~all~~ certain cases where a matter foreign
to the blood circulates with it. That ~~[illegible]~~ this is
sometimes the case is evident from many facts.
The miasmata which produce the yellow fever
float in the blood for many days & perhaps weeks
but without mixing with it. Pus & ever
heavy matter are often diffused in like manner
in the blood, & eliminated from it ~~tho' the~~
~~Kidneys~~ by the Urinary excretion. The miasmata of
fevers tend more to escape from the pores
than tho' any other emunctory before they
excite disease. hence they are ~~perceived in the~~ sometimes
discovered by their smell in the sweats of persons
infected by them. I have seen a curious MS of

V The poison of several venemous animals it is said is expelled from the blood by the Indians wholly by Sudorific medicines.

~~Dr Oliphant tells us that Lucatang~~

medical facts by a Dr Crosfield in which he
relates that one of his fellow students in Edin
~~[illegible]~~ was always cured of the venereal Disease by
a spontaneous discharge of sweat. He once
saw him he says soon after a venereal
infection. He had a large chancre on his
prepuce. ~~[illegible]~~ The Dr. advised him to take Hg
~~[illegible]~~ his friend declined it, urging his reli-
-ance upon nature for a cure. Sometimes
afterwards he saw him in perfect health.
He said his disease had passed out of his
system by his pores, and added that the
shirt he ~~[illegible]~~ had worn during his sweats
had become so brittle as not to bear washing
without being torn to pieces. — V

The Remedies proper to discharge the feeds
of diseases from the blood, should be taken
from the 1. 3. & 4 Classes viz external - stimulat: & dilating.
Dr Bliphant informs
us that sweating cured if any other kind than

I would remark here that as the
use of Diaphoretic Medⁿ, was founded upon
the doctrines of morbific matter & Contagion,
they are less resorted to since the ~~[illegible]~~
~~of~~ fevers has been discovered to be seated in
the ~~fluids~~ blood vessels instead of the ~~[illegible]~~ blood.

Diluents always did harm in the fevers of Jamaica. They are happily calculated ~~only~~ not only to produce heats by distention, but they blunt acrimony in the fluids.

2 Diaphoretic Remedies are proper in all fevers where the action of the bloodvessels is so moderate as to forbid Blood letting. They are indicated in a more especially manner in fevers which have a centrifugal direction - such as the Gout & Rheumatism when they affect the limbs.

3d The 2.3 & 4 Clases. Stomachic - Stimulating & diluting -

3 They are indicated in all diseases of the bowels particularly Colic & Dysentery. The 1.2.4.

External - Stomachic & diluting

4 — In Dropsical swellings of the Anasarcous kind. The 2 and 3 Bath cured ~~the~~ a person on board Adm Dampier vessel in his Voyage round the world.

5 In fevers in which a disposition to sweating is discovered by nature.

V a heat appeared on that part of his body only which was wetted with cold water.

The following rules should be attended to in the use of diaphoretic Remedies.

I shall divide these rules according as they are intended to promote perspiration, or Sweat.

To be used as in Febrile Exanthema.

1 To promote perspiration lying in bed should be recommended. We perspire more in 9 or 10 hours in bed when awake than in 15 out of it. Flannel should be worn next to the skin.

2 Meals subdivided into five & 6 in day. If took notice of the effects of this practice in increasing perspiration in a former lecture. 2 or 3 times in most days

Dr Fodenk. in Febrt when not Vol. 80

3 Great attention should be paid to the heat of the body in all our attempts to promote Sweat. No permanent, salutary Sweat can be induced while the heat of the body is above 108°: you saw this in Sawle's case.

4 The temperature of the drinks given to excite Sweats should be regulated by the heat of the body. They should be cold - when it is above 108 - warm when below 108.

V there are cases in which they ~~should be withheld. The~~ are proper, as when they are given to blunt, or evacuate acrimony or to induce sweats by distention, or poisons, but in cases of ~~blood~~ redundant fluids, from obstructed excretions, they should be withheld.

~~I Flannel worn next to the skin is one of the best modes of preserving~~

5 In fevers - ~~the~~ Sweats should be regulated by the ~~to be effectual should~~ stage of the disease. In their forming states, they often extinguish them, - When formed, they do harm - if the fever be of a highly inflamed nature.

6 Sweats should be suspended occasionally lest we exhaust our patients too suddenly. Depletion by the pores ~~should~~ requires the same caution as depletion by V.S & abstinence.

7 great care should be taken to change the linnen & sheets or blankets when they are impregnated with morbid sweats. They soon become - a fresh remote & exciting cause of febrile paroxysms.

8 ~~Wine or~~ ~~Cordial~~ It is common to give diluting drinks ~~should be given~~ to support patients who are under the use of sweating remedies. ~~of any kind. - But~~

v I believe they do happen in the typhous state of fever. Sir Jn Pringle found this to be case in the close of the hospital fever. ~~a soft~~ Death is frequently accompanied with ~~the~~ sweats in the close of this disease. A soft skin is all that ought to be looked for in it.

9 Uncommon care should be taken to prevent this being suddenly checked by cold air. —

1 Diaphoretics are forbidden in all cases of great inflamd action in the blood vessels, & in cases of weak morbid action as well as a state of debility from exhausted excitement & excitability. ✓

2 They are forbidden when the weather, without affording any relief. —

I shall conclude by remarking that this very popular remedy is unknown among the brutes. They instinctly resort to purges — vomits & even ~~V.S.~~ bleeding, but none of them ever have recourse to a sweating medicine.

v liquor from a barrel. the 3 last act more
certainly as a Remedy where they have been in
the habit of acting upon the kidneys in health.
Dr Whytt mentions the case of a man in
whom the sound of a ~~bow~~ bagpipe always
produced an inclination to make water.
It is possible many people may have a
similar peculiarity in their constitutions
to certain sounds. ~~this~~ when they are
known we should not fail to avail
ourselves of them to promote the secretion
or excretion of Urine. Onions applied to
the pubis ~~of the~~ discharge urine especially
from children are External Diuretics

# Of Diuretics

They are the Remedies which produce a natural, or preternatural flow of Urine.

~~They~~ The former are indicated, when the Urine is Obstructed, - the latter - when we wish to lessen the quantity of circulating serum, or to discharge acrid or foreign matters from the ~~blood~~ system. — as Diplates

They are 1: Cold air applied to the body when a little heated - Cold water applied to a part, or to the whole of the body - fear - abstinence. climbing a pair of Stairs - descending into a Cellar - the noise of a stream of V

2 Diluting Drinks - more especially such as are impregnated with substances said to act specifically upon the kidneys - such as parsley - melon & wild carrot seeds &c. Onions - Diluting Diuretics

3 medicines which act upon the ~~stomach~~ kidneys perhaps by ~~and~~ Sympathy thro' the medium of the stomach. ~~or~~ and directly upon the kidneys. — These are Sal Tart: Tartrat of the vegetable fixed alkali ~~Borax~~

aids — Squills — Colchicum — & Turpentine &
Foxglove — & preparations of Iron. ~~Stim.~~ Diaphoretic
Stimulants

They are indicated

1 In ~~Dropsies~~ fevers where the kidneys refuse to
perform this Office, and where an Obstruction
of the function of Urine takes place without pain.
The 1st Class is proper here — especially rising in bed
according to the practice advised by Dr Sydenham.

2 They are indicated in dropsical effusions of
~~all kinds~~ where the pulse ~~is accelerated~~ or other symptoms discovers
marks of great morbid action. all the Classes
are proper here — The 1st or external should be preferred
until the System is prepared for the 2nd & 3rd ~~Obstr.~~
Tears & Abstinence thó simple in their nature
have ~~often~~ performed wonders in Dropsies as
I shall say hereafter.

3 In Dropsies of ~~weak~~ moderate morbid Action. The 3rd
especially Iron chiefly proper here.
They are forbidden in all cases where the kidneys
are affected with Inflam.n — & chronical effusions.

V this Sympathy, or association of Action ~~shewsit~~ between the Stomach & lungs shews itself very plainly in the Short, & Obstinate Cough which is often excited in Children by Worms in the Stomach. — The lungs in like man. -ner act on the Stomach — hence a smoking often attends a Cough — hence perhaps the inflam.n of The Stomach in ~~of~~ the yellow fever — from Action ~~not~~ rec.d but not felt by the lungs — & conveyed to the Stomach. Happily this class of medicines is less necessary than formerly from the more liberal use of the lancet in Diseases of the lungs. 3.ly But ~~they~~ sources them act I believe upon the lungs by exhaling

~~They are forbidden in all cases where the kidneys are affected with inflam:~~

I have included Expectorants amongst the Stimulants which indirectly act as Sedatives ~~indirect Sedatives~~ or Medicines used to lessen morbid excitement by evacuating certain matters from the body. They are employed to discharge mucus ~~&~~ phlegm - opens from the Lungs. ~~They are of [illegible]~~ They act ~~act~~ upon the lungs thro the medium of the Trachea ~~[illegible]~~ in passing into the stomach, ~~[illegible]~~ 2 tho' the medium of the stomach ~~in which~~ where some of their act by exciting an action which suspends or excites an action in the lungs. V

go to opposite p: 12

They are 1 Demulcents as flaxseed ~~& barley~~ tea, Barley water - Liquorice - Sugar - Honey, & Vapor alone, or impregnated with Vinegar - Horseradish &c - & Seneka root.

a Vapor from the Stomach which insinuates itself into the Glottis, and thus stimulates the lungs by coming in Contact with them.

Vol: Salt - Tar - Garlic - & Oil of amber act in this way. ~~The~~ Gum papa out of the mouth in Lime v remedy acts ~~by the~~ partly by revulsion, & partly by ~~that~~ inverse sympathy which ~~issues~~ by exciting the Skin, lessens action in the lungs. - hence they are a Continuation of Membrane, from a Continuation of Membrane, most useful where there is Cough without expectoration. ~~For the same pellicle which extends over many internal part of the body & the Alimentary Canal from the pharynx to the Rectum, extends likewise~~ this ~~over~~ all the windings of the bronchial Vessels in the lungs.

vi Contiguous Uterus. It should be used only in a languid State of that Viscus. Emmenagogues should be different according ~~to~~ the Obstruction is acute, or Chronic, or attended with great or feeble action, or torpor in the vessels of the Uterus. They may all be known by the State of the pulse, which I have observed to

2 Emetics & nauseating medicines, such as squills - Ipec: Tart Emet: & fowka. —

3 Volatile salt - mustard whey - Tar - garlic

Arrions ~~the~~ the ~~smoke~~ vapor of Tar & bran - & the smoke of Bees wax & Rosin. — also Blisters. by the last ✓

They are indicated

1 In pneumonies - Catarrh & pulmonary Consumpt: Asthma & W: inflam: Symptoms. 2 & 1. 2.

2 In ~~to~~ the same diseases, accompanied with weak morbid action in the lungs. 2 & 3.

## Emenagogues

I ~~know of~~ have ~~not~~ introduced this class of medicines into my Therapeutics in conformity to custom, for I know of no medicine that acts Spe-cifically upon the Uterus in promoting the secretion of menstrual blood. Much has been said of madder as a Specific Emenagogue, but I can say nothing in its favor, from my own experience. Aloes promotes the menses only by ~~the~~ stimulus it imparts to the rectum being extended to the U

V

They consists 1, of such things as act slowly such as Spanish, & some Other flies — The ~~epispastic~~ ~~[illegible]~~ ~~[illegible]~~ the ~~the~~ inner bark of certain trees — & the roots of certain plants, The Epispastic quality of flies is said to reside in 2d wings. 2 ~~and of boiling water~~ of an application which acts suddenly such as flies, & mustard & ~~hot~~ boiling water. how applied. See Dr Stoch's letter.

= Sympathize in a with the Arteries of the excitement vs: purges the proper Remedies. In ~~or~~ torpor of the vessels — Chalybeates — exercise — remarkable manner wrong. In great morbid & abstinence are weak excitement, the Remedies should be and mastimony.

## Blisters

This class of Remedies is ~~composed~~ employed ~~chiefly of Physick~~ ~~and other fluids~~ ~~they~~ ~~and~~ to discharge serum from the blood, thro' the pores by inflaming the skin, and thus producing an effusion between the Cutis & Cuticula. ✓

They are indicated in general diseases of a moderate action in which cases they deplete from any part of the body. To do service - a great number of them must be applied at the same time.

1st proper

2 In local Congestions - in the head - breast - ~~stomach~~ ~~bowels~~ & joints. the 1st

3 In ~~sudd~~ diseases in which congestions occur suddenly, and threaten ~~the~~ from thence affecting vital parts - the sudden extinction of life. no 2. by a flannel. -

The following rules govern us in the use of this Class of Remedies.

1 To suffer the Blister to lie on the body till

V 4 In Deep seated Diseases, it is of little Consequence to what parts of the body Blisters are applied. Like Vs in similar cases, they deplete alike from nearly every part of the body.

5 They seldom ~~work do much favorable~~ work in their effects Diseases of the bowels, Stomach, liver, or Spleen except when those parts adhere from inflam.n to the external integuments of the body. ~~In~~ without this adhesion, there is no sympathy from Contiguity, & in a common posture of the body, none from contiguity.

or head & neck

5 ~~They are~~ In malignant fevers where there is a great tendency to gangrene, they should be applied to thighs & back

it produces a serous discharge, or in common language till it rises, shd be worn for 24 hours. but, it may be taken off in 4. 6. or 8 if it rises within those hours.

2° Blisters to the head - never rise - they discharge serum by a gentle oozing. Blisters shd not be taken off from the head in less than 24 hours. sometimes rise best, near not on the diseased part. see Ther: on pain.

3 - Blisters seldom discharge much after the 2nd or 3rd Dressing. It will be better (when depletion is our principal object) to apply fresh blisters than to keep old ones running matter for 2 or 3 days.

4 - Disease shd be loosened first near part

They are forbidden 1. in diseases of great morbid action & 2ly in diseases of weak morbid action. There is a precise point of diseased action in which they are only proper, in general diseases. In fevers without much local determination - that point is in the typhoid state of the pulse. In

V ~~There are cases~~ where Blisters are applied at what I have called the blistering point, they discharge serum only. When they are applied above this point ~~it~~ they produce a sore, which soon secretes pus — when they are applied below it — they either do not rise at all — or they induce gangrene. We sometimes see them discharge serum at first — then pus — this is favourable, as it shows the system to have risen to the suppurative action. Again we see them discharge serum, and then a blackish sanies; this is unfavourable; as it ~~shows~~ shows the system to have descended from the blistering ~~point~~ to the gangrenous point. There are Diseases I shall say hereafter which require Blisters before the system descends to the blistering point. Internal suppurations

Cases of great local Congestion - they may be applied in the Synochoid - Synochula - & even Synocha states of the pulse. V

3 They are forbidden in habits highly irritable, & in persons subject to suffer much from the strangury sometimes induced by them.

~~4 They are forbidden, or should be used with great caution in pregnancy.~~

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= are ~~best~~ often opposed with advantage by external suppuration, and these are best effected by Blisters when they are applied ~~before~~ before the system descends to the point of serous effusion. In ~~Dr Cragmors~~ Dropsies ~~not influence~~ they do most service when they discharge serum only. ~~The success of the efficacy of~~ The sympathy of actions is of great consequence in both these cases.

V all act - directly, or indirectly by equalising excitement, and ~~thus~~ in this, ~~we have proved~~ ~~the~~ restoration ~~of~~ of a diseased body to health consists. — ⊙ see below.

+ = more Spines - 1 because they produce some irritation which produces a convulsive ~~effects~~ action & 2 from the ~~[illegible]~~ intimate Sympathy of the Skin with the lungs - they ~~[illegible]~~ produce excitement of the Skin, lessens excitement in ye lungs. ∓ parts destined to important functions as walking &c.

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⊙ I have thus mentioned the sedative Remedies for disease in its open & sensible forms. — ~~when~~ Nearly all the same remedies are required when disease descends to oppression, or suffocative Excitement,

turn over

## Of Issues

This class of Remedies is intended to lessen the quantity of fluids in the body by discharging them in the form of pus from Artificial sores. —— They are ~~called~~ Issues properly so called - Setons - and perpetual Blisters. ‡ The

They are indicated, 1 In all cases where a gradual Abstraction of redundant fluids is required - as in pulmonary Consumption, or a tendency to Diseases of fulness in the brain. In those two Diseases I have preferred perpet. Blisters to ~~its~~ cont.

2 In local Congestions - where danger arises from fulness & pressure upon parts essential to life.

3. In Cutaneous humors - on exposed parts. or ‡ After the system has become habituated to them, ~~&~~ they should be ~~stop~~ healed with great caution & never without substituting some general, or local evacuation in their room.

with this we finish the 1st head of our Remedies, & the 5th of our Syllabus. V They

It will not be necessary to name all the medicines which belong to these classes. ~~Many kinds of nature have proved powerful~~ ~~have these~~ You will find them in Dr Cullen, or hear them from the Professor of Mat: Medica. They are derived as you will see from the vegetable, mineral & animal kingdoms from airs and waters - from the passions, and from a hundred of the parts of the man. They are said to be different - able & durable. I shall occasionally mention a few of the most powerful & useful of them, and mention likewise some of y^r subdivisions.

But they require a different mode of application. They must be applied gradually, - This will be necessary for two reasons; 1 to ascertain whether the system be oppressed, or prostrated, - if prostrated, the less stimulus we abstract, the less we injure the system - and if oppressed

all which act on fluids are called Tonics

# Of Stimulating Remedies

These Remedies have been subdivided into many Classes. I shall divide them but into 2 – viz Stimulants properly so called – by which I mean such medicines as are given in a diseased state of the body for the purposes formerly mentioned of reducing the system by depletion, or for exciting actions in ways to be mentioned hereafter. ~~by~~ 2 Tonics ~~2 stimulants~~ by which I mean. Medicines intended to act upon ~~impart strength to the body~~ the predisposing or subsequent debility of diseases. — ~~I need not repeat to you that they both act by to~~ the forgoing I need not repeat to you that they both act by converting excitab. into excitement, when they ~~can~~ cure diseases without abstracting any portion of fluids from the body: Sedatives the reverse.

It will be sufficient here barely to ~~nor is it necessary that I should repeat~~ ~~mention~~ repeat ~~to you~~ that different stimulants act differently

the we prevent the two sudden, or convulsive ~~ex~~ resuscitation of excite=ment. I shall say hereafter Stimulants should be ~~gr~~ applied gradually. The same advantages attend the gradual Abstraction of Stimuli. This principle will be illustrated in many of the diseases we are to be treated of in the practice of physic. I have said nearly all the Sedatives are proper in the oppressed state of the system that are proper in open & sensible ~~[illegible]~~ morbid excitement. Cold water is always improper when there is an absence of heat which is often the case in suffocated excitement. Eg cold feet & even Chills in yellow fever. cured only by V.S. & sponges. ~~[illegible]~~ ~~[illegible]~~

I cannot dismiss this class of medicines

upon different parts of the body. E.g: certain Bitters ~~and~~ act chiefly on the stomach - astringents on the bowels - Bark on the blood vessels - mercury on Lymphatic Glands - ~~and Opium~~ lead Oil of Amber on the muscles - Asafetida on the nerves - and Wine & Opium upon ~~all~~ every moveable fibre in the body.

I shall first take Notice of ~~I exclude from the Class of Remedies now under Consideration all~~ those stimulants wch destroy morbid action by their excessive force. They have been improperly called Sedatives. They act by destroying the irritability of the blood vessels and ~~nervous~~ muscular System. ~~Digitalis the~~ also Digitalis - alkalies acord to Dr Mitchill Sugar of Lead, & several of the poisonous plants lately introduced into Medicine, act in this way. This Operation is analogous to that of miasmata when they produce malignant fevers, or when they ~~depress~~ prostrate the System below

In Hemorrhages and Epilepsy the fac: fatum: have sometimes proved useful where depleting remedies have been used to no purpose, in ~~De~~ lessening the irritability of the Arterial & nervous systems.

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~~——~~. without suggesting to Your, this great importance in medicine. This will appear when we attend to the different ipsus ~~the operations of nature to the physicians who of Nature and (not art) but science~~ the follow her, and operations of Science in the treatment of ~~acute~~ diseases ~~them~~. When the diseases which require sedatives or depletion, are left to the care of nature and her votaries, ~~the vessels expands~~ the excitab^y of the system is expended without reducing its

the point of reaction. ~~These medicines~~ The cases in which these remedies are proper are but few, the direct sedatives should generally be preferred to them. ~~They are~~ Even where they dispose the System, they seldom cure, without the subsequent aid of stimulating & tonic remedies. ~~Besides the bitters~~ The consumptive Dropsy when relieved by opium, or Digitalis have generally returned where this has not been the case, in the course of a few weeks or months. ✓

Again I ~~Dare say~~ today ~~I conclude this~~ ~~There is a~~ ~~mode of using~~ ~~Opium~~ stimulants are sometimes given ~~upon me to decide before I proceed any further,~~ ~~and that is to exhibit them~~ in such an manner as to reduce great morbid excitement by ~~dispersing~~ wasting the ~~Stimulants have~~ ~~act like Exercise & labor. They waste the~~

excitement by fruitless morbid actions, ~~&c~~ which leave ~~and leaves~~ the body in a ~~diminished &c~~ Stricture state or full of ~~O~~bstructions. In these cases, - ~~medicines~~ stimulants can do nothing, - for they have no excitability to act upon, not only have the origin, but the mortality of chronic Diseases. Very different is the issue of ~~the~~ acute Diseases where depletion or sedative remedies have been ~~used~~ employed. They reduce excitement - they prevent effusions & obstructions - and they accumulate ~~retain~~ such a stock of the ~~the~~ excitability of the System, as to enable the stimulants ~~[illegible]~~ ~~predisposing~~ by acting immediately upon it, to remove the Debility, ~~and Depleting remedies to~~ which the predisposition or the Depleting remedies had left upon the System. I am not sure that Dr Sydenham understood this principle ~~on the [illegible]~~ when he urged the use of Depleting ~~&c~~ remedies ~~in all~~

Dr ~~of~~ w Darwin calls 3d the sensorial powers
excitability of the System in an accelerated
manner, ~~and~~ For example: — Friction have
cured a violent inflam. Rheumatism — hard labour
~~was~~ tonic madness — and the hot & cold baths in
lunacy (after the Indian manner) have cured — an acute
fever of great morbid action. These Remedies always
do violence to the Constitution, & are never safe
where the blood vessels are affected, in common habits.
They are ~~to~~ in a violent fever, ~~what~~ like breaking
the hinges of ~~open open~~ a door ~~is, instead compared with an~~
~~burning~~ a key, in order to open it. ~~Is There~~
~~are however some diseases~~ Depleting remedies ~~fl~~?
be preferred to them, as more safe, & certain, tho'
less rapid in their operation. There are however
instances of Diseases which are removed beyond
the influence of depletion. The Tetanus in One
of them. Here ~~stimul~~ Opium — Wine — Spts.
& Bark perform a cure by prostrating the
excitement, and expending the excitabl. of the

✓ They are most safe in the muscular diseases, for in them the blood vessels are generally free of disease. ✓ again these are diseases which yield alike to depletion and stimulating Remedies. These are generally the moderate grades of Bilious fever. They are often cured with equal certainty by vs & purges & by Tonic Medes of Bark. —

+ They are safe too in certain diseases of Centrifugal direction as Rheumatism & gout.

= violent or acute diseases, but I am sure he ~~understood~~ followed the practice founded upon it, - hence we observe - he ~~never~~ seldom prescribes a stimulating or tonic Med: without preparing the body for it by bleeding or a purge. The excitab^y of the system was thus accumulated, by which means ~~and~~ this stimulating tonic medicines ~~then~~ acted with certainty - force & success. Return to p 31. These being in the - four or five days as mouth - nose lungs - bowels skin in w^ch sedatives are given

~~System~~ muscular System.

There has been a good deal of difficulty, and some controversy, in determining <u>when</u> to begin the use of Stimulating Remedies. ~~of~~. I mentioned this formerly. The <u>stage</u> of the disease, and the injurious exhibition of depleting remedies should always be taken into consideration. But our reliance should be placed chiefly upon the effects they produce upon the body. ~~& more especially the pulse~~. If they create Distressing heat - or pain - or a fuse ~~or~~ fulness in the head - breast, or bowels, ~~it~~ and above all, if they bring on quicker ~~frequent~~ frequency, with weakness in the <u>pulse</u>, it is a sign they have been ~~going~~ given prematurely, and it will be necessary to refrain from this further use. If on the contrary, they ~~have~~ produce none of the above effects, and ~~chiefly~~ chiefly if they impart ~~signs to the System~~ <u>fulness & slowness</u> ~~they are~~ to the pulse, they are perfectly safe,

~~they are alike proper in the~~
~~I have hitherto spoken of stimulants~~

Prostration of the System

sometimes giving ~~th~~ by Arms does good.

I acknowledge this rule is applied chiefly to diseases in which the Arterial System is affected. In discases of the other Systems, we are often left without any guide to determine upon the dose of a stimulant, or the part to which it ~~shd~~ be applied. ~~Could~~ The discovery of an instrument to measure the quantity or grades, & seats of excitabil^y in the different Systems of the body, would deserve more from the World, ~~from~~ than the discovery of the Solar System, ~~fall down~~ ~~Did I know who~~ gladly would I embrace the feet of such a benefactor to mankind! ~~and~~ But until such a discovery can be made we must rely as I said formerly upon ~~from~~ our experience from the resemblance of diseases, & upon actual experimentation

and may be continued with every probable expectation of advantage. Some of you saw Brown Wesponges case in typhus pulm. Consumption in 1805 ~~&~~ we shall proceed now to mention the manner in which Stimulants should be given when they are intended to act directly upon the System, ~~(This leads us to the 6th Article in our Syllabus, which includes those stimulants.~~ This is an important part of our Course, & requires the closest attention. go to p: 16 of Old Lectures 20.

This leads us to ~~our~~ the 6th Article in ~~our Syllabus~~ viz to consider the med. which destroy morbid action at once & gently or remove morbid action by exciting a stronger, or less diseased action in the ~~diseased~~ affected part, or in some other part of the body. — These ~~are~~ med. are direct stimuli. The following directions ~~are~~ ~~for~~ shd. be followed for this purpose.

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the exhibition of stimulants. We may thus find out both the appropriate dose & the appropriate place to apply it. Some of you saw the effects of my ignorance of the state of excitab.y in Jos: White at the hospital a few days ago Jan.y 1808. I gave him 30 drops of Laud: at bedtime to com=
=pose a Cough which followed a pneu=
=mony. It not only kept him awake, but excited his system so much as to render Ol mecpany next day. Ten drops would probably have induced sleep, and relieved him afterwards. In the Morn. ~~within three days~~ ~~four days~~ of Jan.y 1808 I was ~~have~~ been more successful in accommodating a stimulant to the seat & grade of excitab.y.

I was called to a Lady with an inflam^n ~~colic & perition~~ of the bowels, attended with ~~I was visited a~~ exquisite pain & constant sickness ~~and~~ or Vomiting. I bled her 3 times ~~times~~, & thus reduced her pulse, but the pain continued. Laud: was now indicated, but such ~~as~~ was the irritab^y & excitab^y of her stomach, & so disturbing were the sickness & purging that I believe 10 drops of it would have convulsed her or perhaps destroyed her life. She could ~~bear~~ nothing upon it but cold water & that but a teaspoonful at a time. In this state of ~~her stomach~~ patient I ~~gave~~ directed, to be given by way of Clyster. Happily the ~~low~~ bowels were in a ~~natural, or rather a~~ injuring or low state of excitab^y: and that to such a degree as to bear 150 drops of Laud: ~~in~~ in 3 successive injections which relieved her pain, and thus completed her recovery.

return to p 36 ✓

~~There is another rule in the~~

exhibitions of Stimulants, which deserves our Attention, and that is